

DECLARATION FOR PATENT APPLICATION

Docket No. 70366

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: IMAGING DEVICE

the specification of which

(Check one) ☒ [X] is attached hereto.

☐ [] was filed on _____ as

Application Serial No. _____

and was amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

100 58 761.5

(Number)

Germany

(Country)

27/Nov./2000

(Day/Month/Year filed)

Priority Claimed

Yes

(Number)

(Country)

(Day/Month/Year filed)

(Number)

(Country)

(Day/Month/Year filed)

US 5475537 A

TITLE: Optical system for use in recording and reading information on an optical information medium

----- KWIC -----

Abstract Text - ABTX (1):

An optical system for recording and reading information on an optical information medium such as a video disk, a mini disk, a magneto-optical disk, and a phase change disk. The optical system includes: a light source for irradiating the optical information medium with a light beam through a coupling lens and a objective lens; the coupling lens which is a spherical single lens; and the objective lens which is a double-sided aspherical lens and provided movable along an optical axis of the light source; in which the light source is located between the coupling lens and a focal point at a side of the light source, of the coupling lens. The optical system defines the number of a numerical aperture on the side of the optical information medium, and a lateral magnification ratio of the optical system.

Brief Summary Text - BSTX (34):

An optical system for recording and reading information according to the present invention comprises at least a first spherical single lens which is a coupling lens 3, and a second double-sided aspherical lens which is an objective lens 2, numbered from a light source 4 side as shown in FIG. 1. The light source is positioned in the coupling lens side with respect to a focal point on the light source side. The objective lens can be moved along the optical axis for focusing which is one of its several functions, and satisfies the following conditions.

Brief Summary Text - BSTX (55):

However, in the case where the lateral magnification ratio $m_{sub.c}$ is zero, that is, the composition of the optical system is near that of the optical system shown in FIG. 2(a), the coupling lens composed of a spherical lens can not maintain the performance of the optical system, and therefore, it is required that the coupling lens is composed of an aspherical lens or two spherical lenses, resulting in the excessive cost.

(Number)

(Day/Month/Year filed)

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No)

(Filing Date)

(Patented, Pending, Abandoned)

(Application Serial No)

(Filing Date)

(Patented, Pending, Abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **John J. McGlew, Reg. 17,722; and/or John James McGlew, Reg. 31,903; and/or Hilda S. McGlew Reg. 30,295; and/or Theobald Dengler, Reg. 34,575; and/or Keith D. Moore, Reg. 44,951.**

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Matthias RIEPENHOFF

→ Inventor's signature Matthias Ripenhoff → Date 20. november 2001
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